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PATENT APPLICATION
Attorney Docket No. 00689-513 (A064US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

15/a
4/2/03

APPLICANTS :	Whitty et al.		
SERIAL NUMBER :	09/832,659	EXAMINER :	Seharaseyon, J.
FILING DATE :	April 11, 2001	ART UNIT :	1647
FOR :	INTERFERON-BETA-1a - IMMUNOGLOBULIN FUSION PROTEINS AND USES *(as amended herein)*		

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT AND RESPONSE

This paper is in response to the December 3, 2002 Office Action ("Office Action"). With a one-month extension of time, these documents are due on or before April 3, 2003. Please charge any payments or credit any overpayments of the same to Deposit Account No. 50-0311, reference 00689-513 (A064).

Please amend the application as follows and consider the following remarks:

In the title:

Please replace the pending title with the following:

INTERFERON-BETA-1a - IMMUNOGLOBULIN FUSION PROTEINS AND USES

In the specification:

Please replace the paragraph beginning on page 4, line 28 with the following:

a1

Figure 2. **cDNA and deduced amino acid sequence for an interferon-beta- la/Fc fusion.** The full DNA and protein sequences of the human EFN-beta- la/mouse Fc are shown in Figures 2A-1, 2A-2 and 2B. The human EFN-beta- 1 a protein sequences span amino acid residues 1- 166 (DNA sequences 1-498). The enterokinase linker sequence spans amino acid residues 167-171 (DNA sequences 499-513). The murine IgG2a heavy chain protein sequence spans residues 172-399 (DNA sequences 514-1197).

Please replace the paragraph beginning on page 23, line 24 with the following:

a2

Other derivatives of interferon beta/ Ig include covalent or aggregative conjugates of